

Page 14, before first full paragraph, insert:

--DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS--

IN THE CLAIMS:

Delete claims 1 to 21 and replace with the following new claims:

- 31 ~~30~~ 22. (New) A safety paper with a structure in the form of an electronic circuit (1, 4, 7) making possible a contactless checking of an authenticity feature, the circuit (1, 4, 7) comprising an electronic circuit chip and a pattern (7) connected therewith and serving as a sending/receiving antenna that, in response to a received input signal, emits an output signal indicating the presence of the authenticity feature and whose pattern (50, 50') serving as a sending/receiving antenna has the form of a dipole antenna comprised of two conductor strips (50, 50') extending along a common straight line, which at facing ends thereof are contacted with connecting areas (70, 70') of the circuit chip (40) and are formed by portions of a thin insulating polymer substrate strip that have been made conductive, between whose insulating portion, delimited between the facing ends of the conductor strips (50, 50'), the circuit chip (40) is

positioned, wherein the circuit chip (40) is formed on a thin-ground semiconductor substrate which is arranged on the insulating portion of the polymer substrate strip.

32 ~~31~~
23. (New) A safety paper with a structure in the form of an electronic circuit (1, 4, 7) making possible a contactless checking of an authenticity feature, the circuit (1, 4, 7) comprising an electronic circuit chip and a pattern (7) connected therewith and serving as a sending/receiving antenna that, in response to a received input signal, emits an output signal indicating the presence of the authenticity feature and whose pattern (50, 50') serving as a sending/receiving antenna has the form of a dipole antenna comprised of two conductor strips (50, 50') extending along a common straight line, which at facing ends thereof are contacted with connecting areas (70, 70') of the circuit chip (40) and are formed by portions of a thin insulating polymer substrate strip that have been made conductive, between whose insulating portion, delimited between the facing ends of the conductor strips (50, 50'), the circuit chip (40) is positioned, wherein the structure forming the circuit (1, 4, 7) comprises an integrated polymer circuit chip (4) formed on a flexible polymer substrate.

33 ~~32~~
24. (New) A safety paper with a structure in the form of an

electronic circuit (1, 4, 7) making possible a contactless checking of an authenticity feature, the circuit (1, 4, 7) comprising an electronic circuit chip and a pattern (7) connected therewith and serving as a sending/receiving antenna that, in response to a received input signal, emits an output signal indicating the presence of the authenticity feature, wherein the pattern serving as a sending/receiving antenna is applied externally to the paper layer and is coupled capacitively by the paper layer, acting as a dielectric, to a remaining portion of the circuit embedded in the paper layer.

34 ~~33~~ ³⁰
25. (New) A safety paper according claim ~~22~~³⁰, wherein a structure forming the circuit (1, 4, 7) comprises a read-only storage set to a predetermined information contents, whose information contents can be transmitted with the emitted output signal.

35 ~~34~~ ³⁰
26. (New) A safety paper according to claim ~~22~~³⁰, wherein a structure (1, 4, 7) forming the circuit comprises a write/read storage into which information contents transmitted by the received input signal can be written whose information contents can be transmitted with the emitted output signal.

36 ~~35~~ ³⁴
27. (New) A safety paper according to claim ~~26~~³⁴, wherein the

write/read storage is formed by a shift register into which a binary representation of the information contents transmitted with the input signal can be sequentially stored.

37 ~~26~~ 28. (New) A safety paper according to claim ~~22~~³⁰, wherein a structure (1, 4, 7) forming the circuit comprises an energy supply which can be supplied by a contactless energy transmission.

38 ~~30~~ 29. (New) A safety paper according to claim ~~28~~³⁶, wherein energy transmission can be realized by a carrier frequency oscillation provided for modulation with the input signal.

39 ~~38~~ 30. (New) A safety paper according to claim ~~22~~³⁰, wherein a structure forming the circuit (1, 4, 7) is embedded in a paper layer of the safety paper.

40 ~~39~~ 31. (New) A safety paper with a structure making possible a contactless checking of an authenticity feature, wherein the structure comprises an electro-optical surface area having the authenticity feature, whose light reflection or transmission properties can be controlled as a function of the electrical potential supplied to the surface area.

41 ~~40~~ 32. (New) A safety paper according to claim ~~31~~³⁹, wherein the structure has a photovoltaic surface area serving as an energy supply, the conductor strips (50, 50') are formed by conductive coatings on one side of a thin insulating support foil and the photovoltaic area is provided on the other side of the support foil.

42 ~~41~~ 33. (New) A safety paper according to claim ~~22~~³⁰, wherein the pattern (1, 5, 5', 7, 50, 50') serving as a sending/receiving antenna is comprised of a material whose expansion coefficient corresponds substantially to the expansion coefficient of the paper layer.

43 ~~42~~ 34. (New) A safety paper according to claim ~~22~~³⁰, wherein the circuit (1, 4, 7; 40, 50, 50', 70, 70') comprises a micro controller.

44 ~~43~~ 35. (New) A method for checking the authenticity of documents which are recorded in an optically readable form on a safety paper with a structure in the form of an electronic circuit making possible a contactless checking of an authenticity feature, the circuit, in response to a received input signal, emitting an output signal representing the authenticity feature, comprising transmitting an input signal by the location checking

the document to the circuit which triggers the emission of its output signal and the optically readable contents of the document as well as the authenticity feature are automatically detected and correlated with one another, wherein the input signal transmitted by the checking location to the circuit comprises an information contents which identifies the checking location and is stored in the circuit.

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45 ~~44~~ 36. (New) A method according to claim ~~35~~ ⁴⁸, wherein the stored information contents, which identifies the checking location, can be transmitted with the output signal to a checking location in response to an input signal transmitted subsequently by the checking location.

46 ~~45~~ 37. A method according to claim ~~35~~ ⁴⁸, wherein the energy for operating the circuit is transmitted by the checking location with the input signal to the circuit.

47 ~~46~~ 38. A method for checking the authenticity of documents recorded on safety paper which have an area provided with an authenticity feature that can be detected contactless, comprising providing the document with an electronic circuit in an area separate from the area having the authenticity feature, in which electronic circuit the authenticity feature determined by

contactless detection is checked and an output signal indicating the result of checking is generated.

48 ~~40~~ 39. (New) A device for a contactless checking of authenticity of a document made of a safety paper which is provided with an electronic circuit chip as well as a pattern connected thereto and serving as a sending/receiving antenna and formed as a dipole antenna with dipole branches extending along a common straight line, wherein the electronic circuit chip, in response to a received input signal, emits an output signal representing the authenticity feature, the device comprising a transport device by which the documents (100) to be checked are transported along a movement path extending transverse to the common straight line of the dipole branches (50, 50'), two conductors (103, 103') extending in the transport direction (100), one of them arranged in the area of the movement path of the one dipole branch (50) and the other in the area of the movement path of the other dipole branch (50'), respectively, for capacitive coupling with the moving dipole branches (50, 50'), and a sending/receiving device coupled with the conductors (103, 103') for emitting the input signal for the circuit chip (40) and for receiving the output signal representing the authenticity signal.

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